

Converting Colors

$Y_{xy}(18.2588, 0.2666, 0.2429)$

Have a look what the booklet for
Yxy(18.2588, 0.2666, 0.2429)
contains.

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Color

Yxy(18.3408, 0.2670, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	7771A2
RGB	119, 113, 162
RGB Percent	47%, 44%, 64%
CMY	0.5332, 0.5569, 0.3647
CMYK	0.27, 0.30, 0.00, 0.36
HSL	247°, 21%, 54%
HSV	247°, 30%, 64%
XYZ	20.0368, 18.3408, 36.6666
YIQ	120.3800, -12.1530, 16.5110

Conversions

Conversions Part 2

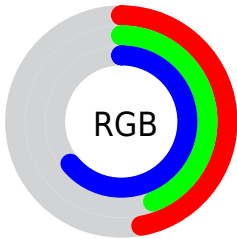
Format	Color
R _Y B	119, 113, 162
Decimal	7827874
CIE Lab	49.91, 13.50, -25.51
CIE LCh	50, 28.862, 297.879
Yxy	18.3408, 0.2670, 0.2444
Android (android.graphics.Color)	4286017954 (0xFF7771A2)
YUV	120.3800, 20.5187, -1.2103
Hunter-Lab	42.8262, 8.5679, -20.7842

Details

The Yxy color **18.3408, 0.2670, 0.2444** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.0981, 0.3510, 0.4043**, and the grayscale version is **18.8476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6907, 0.2775, 0.2627**, and **6.1716, 0.2477, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **14.1125, 0.2485, 0.2115**, and if you desaturate by 10%, it is **23.3661, 0.2840, 0.2752**.

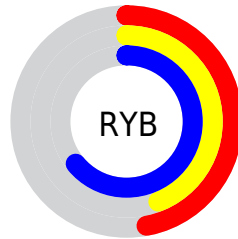
Distribution



Red (47%)

Green (44%)

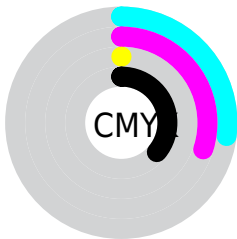
Blue (64%)



Red (47%)

Yellow (44%)

Blue (64%)

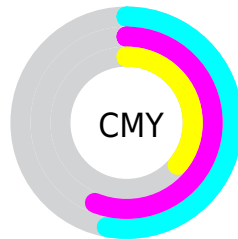


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (36%)



Cyan (53%)


Magenta (56%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3408, 0.2670, 0.2444 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.3408, 0.2670, 0.2444 by changing the saturation by 10% instead.


 18.3408, 0.2670,
0.2444


 18.3408, 0.2670,
0.2444


242.7850, 0.2934,
0.2909


 11.1949, 0.2590,
0.2314


 40.6172, 0.2776,
0.2623

 6.1981, 0.2478,
0.2139


 56.5165, 0.2813,
0.2687

 2.9659, 0.2310,
0.1891

 76.1024, 0.2842,
0.2740

 1.1140, 0.2040,
0.1524

 99.7594, 0.2867,
0.2785

 0.0000, 0.1367,
0.0000

127.8717, 0.2888,
0.2823

 0.0000, 0.0000,
0.0000

160.8238, 0.2906,

0.2855

199.0001, 0.2921,
0.2884

■ 18.3408, 0.2670,
0.2444

■ 18.3408, 0.2670,
0.2444

■ 14.1125, 0.2485,
0.2115

■ 23.3661, 0.2840,
0.2752

■ 10.6379, 0.2290,
0.1777

■ 29.2241, 0.2991,
0.3033

■ 7.8733, 0.2095,
0.1448

■ 35.9513, 0.3124,
0.3284

■ 5.7691, 0.1912,
0.1150

■ 43.5810, 0.3239,
0.3505

■ 4.2696, 0.1753,
0.0907

■ 52.1450, 0.3338,
0.3699

■ 3.3096, 0.1631,
0.0734

■ 61.6734, 0.3423,
0.3867

■ 2.7567, 0.1550,
0.0628

■ 72.1952, 0.3496,
0.4014

■ 83.7378, 0.3558,
0.4140

■ 93.8821, 0.3622,
0.4219

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.3408, 0.2300, 0.2447



18.3408, 0.2670, 0.2444



18.3408, 0.3196, 0.2625

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.3408, 0.2670, 0.2444



18.3408, 0.4217, 0.3789



18.3408, 0.2509, 0.3639

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.3408, 0.2670, 0.2444



34.0981, 0.3510, 0.4043

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.3408, 0.2986, 0.4115



18.3408, 0.2670, 0.2444



18.3408, 0.3983, 0.4143

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.3408, 0.2670, 0.2444



18.3408, 0.4135, 0.3361



18.3408, 0.3526, 0.4293



18.3408, 0.2211, 0.3085

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.3408, 0.2670, 0.2444



18.3408, 0.3572, 0.2829



18.3408, 0.3526, 0.4293



18.3408, 0.2652, 0.3819

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.3415, 0.2670, 0.2444



54.2946, 0.3006, 0.3062



29.9913, 0.2691, 0.3194



11.8343, 0.2987, 0.3025



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3415, 0.2670, 0.2444



28.1957, 0.2552, 0.2234



20.2767, 0.2940, 0.2506



6.8998, 0.3005, 0.3059



2.1826, 0.1555, 0.0630



0.0574, 0.1776, 0.0752

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.8899, 0.3231, 0.2639



35.6779, 0.3258, 0.2501



31.9210, 0.3265, 0.4106



7.1871, 0.3155, 0.3095



7.5961, 0.3539, 0.1723



0.1635, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 18.3408, 0.2670, 0.2444 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.3408, 0.2670, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

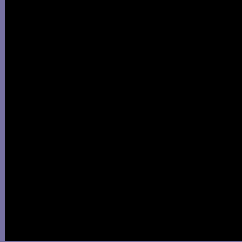
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3408, 0.2670, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 18.3408, 0.2670, 0.2444.



This preview shows how white text looks on a background with the Yxy color 18.3408, 0.2670, 0.2444.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.3408, 0.2670, 0.2444

Protanopia

18.3822, 0.2502, 0.2438

Deuteranopia

18.3600, 0.2554, 0.2502



Tritanopia

18.2893, 0.2942, 0.3098

Trichromacy



Original Color

18.3408, 0.2670, 0.2444

Protanomaly

18.4223, 0.2556, 0.2445

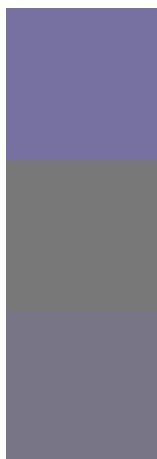
Deuteranomaly

18.4435, 0.2601, 0.2494

Tritanomaly

18.2905, 0.2837, 0.2845

Monochromacy



Original Color

18.3408, 0.2670, 0.2444

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4649, 0.2959, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3408, 0.2670, 0.2444 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(119, 113, 162)` looks like.

```
.text, #text, p{  
    color:rgb(119, 113, 162)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(119, 113, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 113, 162) }
```

Border

The CSS property to change the border of an element to Yxy 18.3408, 0.2670, 0.2444 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 113, 162) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(119, 113, 162) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(119, 113, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 113, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 113, 162);  
box-shadow:4px 4px 4px 4px rgb(119, 113,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3408, 0.2670, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 113, 162) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(119,  
113, 162) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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